GE
Lighting

Evolve™ LED Area Light

N Series (EANA)

imagination at work

Product Features

The next generation of the GE Evolve™ LED Area Light is an exciting solution to efficiently illuminate site and area applications. The smaller-form design of the EANA fixture provides superior illuminance at impressive site ROIs. The exclusive optical ring design effectively directs the light and produces impressive vertical illuminance and glare control. Additionally, the Evolve LED Area Light provides significant operating cost benefits over the life of each fixture with reduced energy consumption and a long rated life that virtually eliminates ongoing maintenance expenses.

Applications

- Site, area, and general lighting applications utilizing advanced LED optical system providing high uniformity, excellent vertical light distribution, reduced offsite visibility, reduced on-site glare and effective security light levels.
- Obtain a truly optimized and efficient parking space with dimming and occupancy sensing features.

Housing

- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, long LED life, and a reduced Effective Projected Area (EPA).
- Meets 2G vibration level per ANSI C136.31-2010.

LED & Optical Assembly

- Structured LED arrays for optimized area light photometric distribution.
- Evolve light engine with directional reflectors designed to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 4000K and 5000K typical.

Lumen Maintenance

- System rating is L85 at 50,000 hours. Contact manufacturer for Lxx rating (Lumen Depreciation) beyond 50,000 hours.

Ratings

- UL/cUL listed, suitable for wet locations.
- IP66 rated optical enclosure per ANSI C136.25-2009.
- Temperature rated at –40° to 50°C.
- Upward Light Output Ratio (ULOR) = 0.
- Title 24 compliant with “H” motion sensor option.
- Compliant with the material restriction requirements of RoHS.

Mounting

Option A
- 10-inch (254mm) mounting arm for square pole prewired with 24-inch (610mm) leads.

Option B
- 10-inch (254mm) mounting arm for round pole prewired with 24-inch (610mm) leads.

Option C
- Slipfitter mounting for 2 3/8-inch (60mm) O.D. pipe prewired with 24-inch (610mm) leads.

Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black & Dark Bronze.
- RAL & custom colors available.

Electrical

- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%.
- Photo electric sensors (PE) available for all voltages.
- GE dimmable PE socket is available making the unit “adaptive controls ready.” Contact manufacturer for details.
- Dimming:
  - Wired 0-10V continuous dimming with “D” option code
  - Stand-alone motion sensor based dimming using “H” option code
- Surge Protection Options:
  For 120-277VAC and 347-480VAC per IEEE/ANSI C136.2-2014.
  – 6kV/3kA “Basic” surge protection, standard.
  – 10kV/5kA “Enhanced” surge protection available with “R” option code.

Ordering Number Logic

Evolve™ LED Area Light N Series (EANA)

E A N A _ __ 5 __ _ _ _ _ _ _ _ _ _

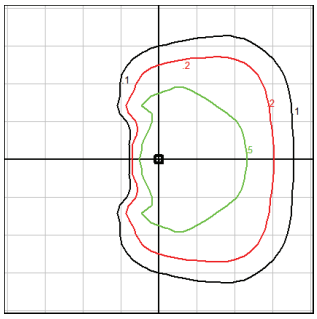
PROD. ID	PHOTOMETRIC SERIES	VOLTAGE	OPTICAL CODE	DRIVE CURRENT	LED COLOR TEMP	PE FUNCTION	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **A** = Area Light **N** = Housing Series	**A** = Photometric Series "A"	**0** = 120-277 **1** = 120* **2** = 240* **4** = 277* **5** = 480* **H** = 347-480V **D** = 347* * Specify single voltage only if fuse option is selected.		**5** = 525mA	**40** = 4000K **50** = 5000K	**1** = None **2** = PE Rec. **4** = PE Rec. with Shorting cap **5** = PE Rec. with Control ** **A** = ANSI C136.41 7-pin PE Receptacle †# **D** = ANSI C136.41 7-pin PE Receptacle with Shorting Cap †# ** PE control not available for 347-480V. Must be a discrete voltage (347V or 480V). † When ordering PE function socket A or D, a dimming driver must also be ordered under the "OPTIONS" column. # Order Dimming/Control PE as a separate item.	**A** = 10" Arm for Square Pole, supplied with leads **B** = 10" Arm for Round Pole, supplied with leads **C** = EXT Slipfitter 2" Pipe (2.378 in. OD) supplied with leads	**BLCK** = Black **DKBZ** = Dark Bronze Contact manufacturer for other colors.	**D** = Dimming (0-10 Volt Input) † **F** = Fusing **R** = 10kV Enhanced Surge Protection **H** = Motion Sensor *# **XXX** = Special Options † Dimming leads will be provided through the back of the arm, unless specified with A or D PE Function. * May only be selected in conjunction with A or B Mounting Arm. # Dimming is standard with H option code. Do not also select D option. Not compatible with PE receptacle options A, or D.

	OPTICAL CODE	TYPE	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		BUG RATINGS* 4000K			BUG RATINGS* 5000K			IES FILE NUMBER	
			4000K	5000K	120-277V	347-480V	B	U	G	B	U	G	4000K	5000K
TYPE IV	A4	Asymmetric Forward	3,730	3,750	46	46	1	0	1	1	0	1	EANA_A4540__-120-277V.IES	EANA_A4550__-120-277V.IES
	B4	Asymmetric Forward	5,510	5,540	65	65	1	0	2	1	0	2	EANA_B4540__-120-277V.IES	EANA_B4550__-120-277V.IES
	C4	Asymmetric Forward	7,180	7,210	85	85	1	0	2	1	0	2	EANA_C4540__.IES	EANA_C4550__.IES
	D4	Asymmetric Forward	8,810	8,850	104	104	1	0	2	1	0	2	EANA_D4540__.IES	EANA_D4550__.IES
	E4	Asymmetric Forward	10,370	10,410	123	123	2	0	2	2	0	2	EANA_E4540__.IES	EANA_E4550__.IES
	F4	Asymmetric Forward	12,320	12,380	148	148	2	0	3	2	0	3	EANA_F4540__.IES	EANA_F4550__.IES
TYPE III	A3	Asymmetric Wide	4,070	4,090	46	46	1	0	1	1	0	1	EANA_A3540__-120-277V.IES	EANA_A3550__-120-277V.IES
	B3	Asymmetric Wide	6,010	6,040	65	65	1	0	1	1	0	1	EANA_B3540__-120-277V.IES	EANA_B3550__-120-277V.IES
	C3	Asymmetric Wide	7,830	7,860	85	85	1	0	2	1	0	2	EANA_C3540__.IES	EANA_C3550__.IES
	D3	Asymmetric Wide	9,620	9,650	104	104	2	0	2	2	0	2	EANA_D3540__.IES	EANA_D3550__.IES
	E3	Asymmetric Wide	11,320	11,360	123	123	2	0	2	2	0	2	EANA_E3540__.IES	EANA_E3550__.IES
	F3	Asymmetric Wide	13,450	13,500	148	148	2	0	2	2	0	2	EANA_F3540__.IES	EANA_F3550__.IES
TYPE II	A2	Asymmetric Narrow	3,940	3,960	46	46	1	0	1	1	0	1	EANA_A2540__-120-277V.IES	EANA_A2550__-120-277V.IES
	B2	Asymmetric Narrow	5,820	5,850	65	65	1	0	1	1	0	1	EANA_B2540__-120-277V.IES	EANA_B2550__-120-277V.IES
	C2	Asymmetric Narrow	7,580	7,620	85	85	2	0	2	2	0	2	EANA_C2540__.IES	EANA_C2550__.IES
	D2	Asymmetric Narrow	9,310	9,350	104	104	2	0	2	2	0	2	EANA_D2540__.IES	EANA_D2550__.IES
	E2	Asymmetric Narrow	10,960	11,010	123	123	2	0	2	2	0	2	EANA_E2540__.IES	EANA_E2550__.IES
	F2	Asymmetric Narrow	13,020	13,080	148	148	2	0	2	2	0	2	EANA_F2540__.IES	EANA_F2550__.IES

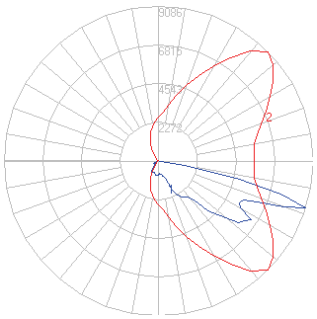
*Rating values for B and G are based on rated lumens and may vary due to flux tolerances.

Photometrics

EANA Type IV - Asymmetric Forward (F4)
12,380 Lumens, 5000K (EANA_F4550__.IES)

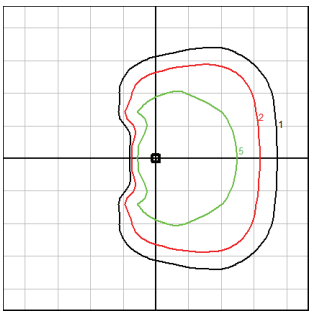


Grid Distance in Units
of Mounting Height at 30' Initial
Footcandle Values at Grade

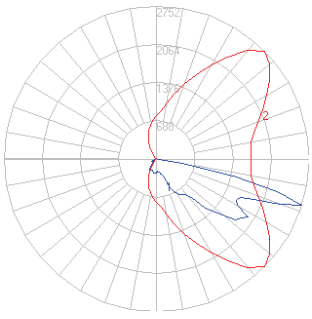


— Vertical plane through horizontal angle
of maximum candlepower at 45°
— Vertical plane through horizontal angle of 72.5°

EANA Type IV - Asymmetric Forward (A4)
3,750 Lumens, 5000K (EANA_A4550__-120-277V.IES)

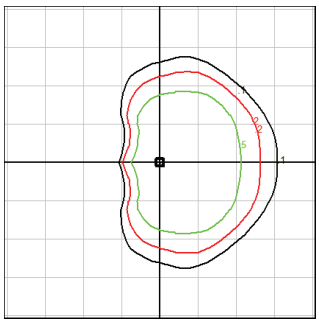


Grid Distance in Units
of Mounting Height at 15' Initial
Footcandle Values at Grade

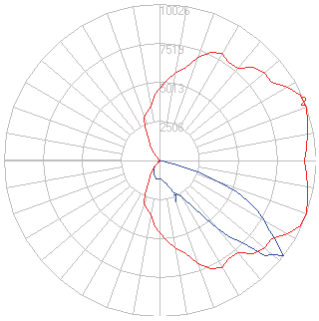


— Vertical plane through horizontal angle
of maximum candlepower at 45°
— Vertical plane through horizontal angle of 72.5°

EANA Type III - Asymmetric Wide (F3)
13,500 Lumens, 5000K (EANA_F3550__.IES)

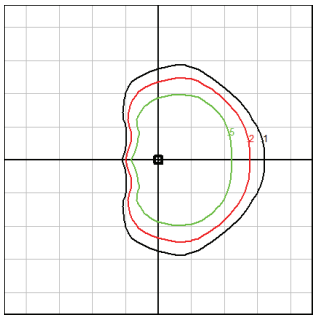


Grid Distance in Units
of Mounting Height at 30' Initial
Footcandle Values at Grade

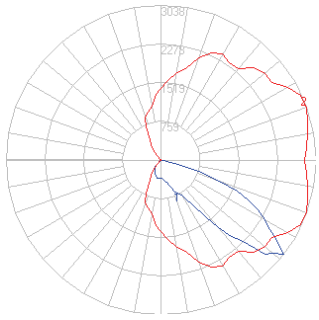


— Vertical plane through horizontal angle
of maximum candlepower at 20°
— Vertical plane through horizontal angle of 52.5°

EANA Type III - Asymmetric Wide (A3)
4,090 Lumens, 5000K (EANA_A3550__-120-277V.IES)

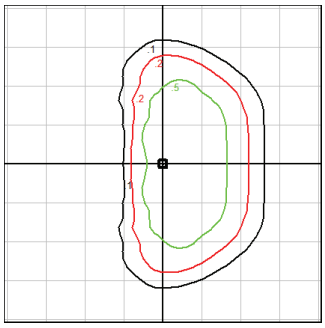


Grid Distance in Units
of Mounting Height at 15' Initial
Footcandle Values at Grade

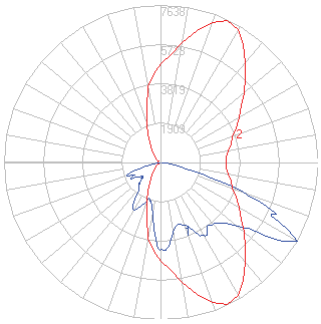


— Vertical plane through horizontal angle
of maximum candlepower at 20°
— Vertical plane through horizontal angle of 52.5

EANA Type II - Asymmetric Narrow (F2)
13,080 Lumens, 5000K (EANA_F2550__.IES)

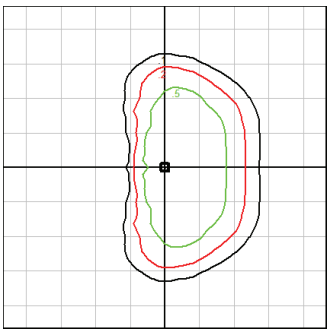


Distance in Units
of Mounting Height at 30' Initial
Footcandle Values at Grade

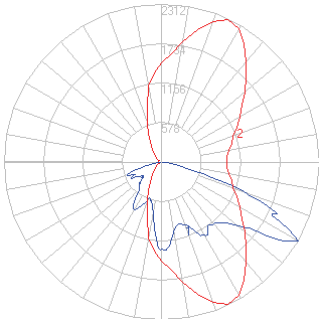


— Vertical plane through horizontal angle
of maximum candlepower at 65°
— Vertical plane through horizontal angle of 60°

EANA Type II - Asymmetric Narrow (A2)
3,960 Lumens, 5000K (EANA_A2550__-120-277V.IES)



Grid Distance in Units
of Mounting Height at 15' Initial
Footcandle Values at Grade

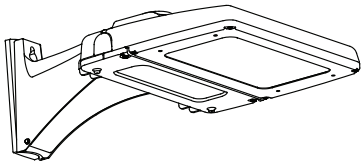


— Vertical plane through horizontal angle
of maximum candlepower at 65°
— Vertical plane through horizontal angle of 60°

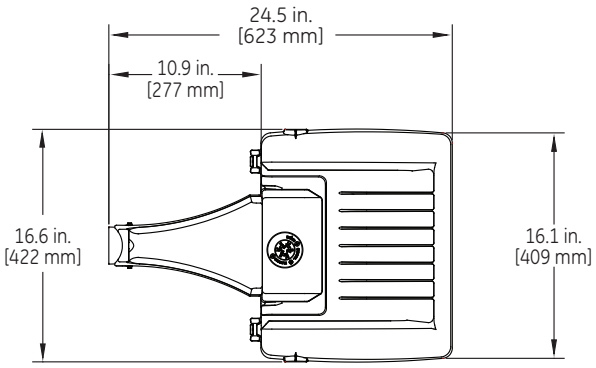
Product Dimensions

10” Arm For Square Pole Mount (Option A)

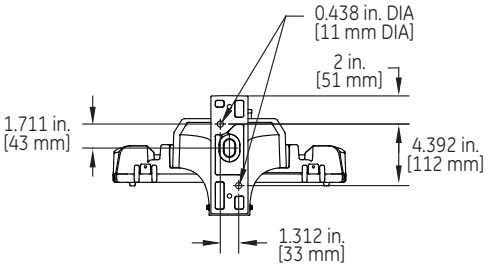
ISOMETRIC VIEW



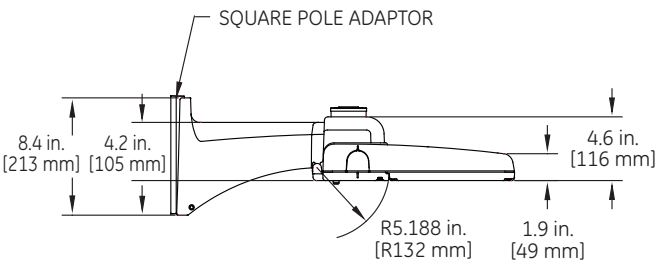
TOP VIEW



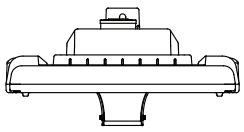
BACK VIEW



SIDE VIEW



FRONT VIEW

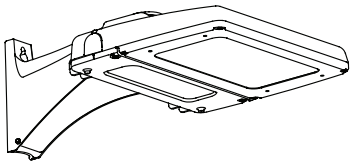


DATA

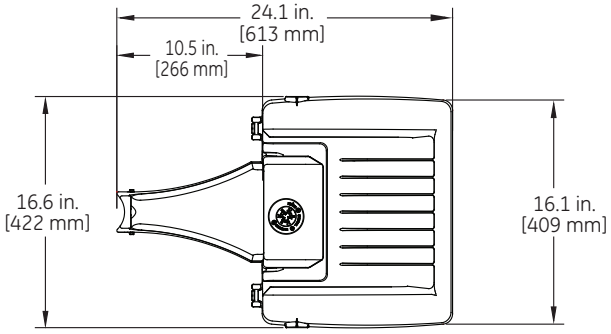
- Approximate net weight: 20 lbs (9.07 kgs)
- Effective Projected Area (EPA) with 10” Mounting Arm: 0.67 sq ft max (0.06 sq m)

10” Arm For Round Pole Mount (Option B)

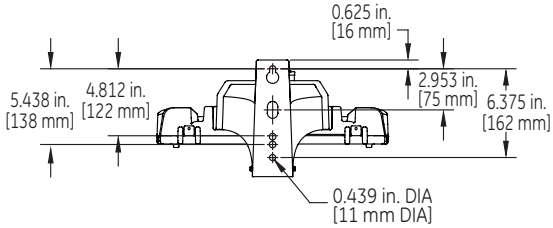
ISOMETRIC VIEW



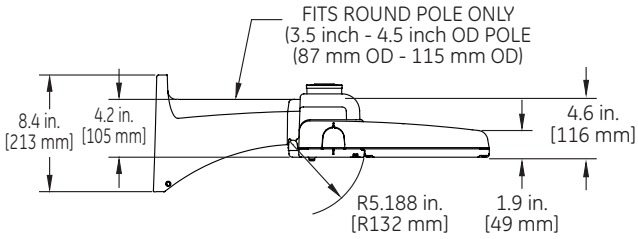
TOP VIEW



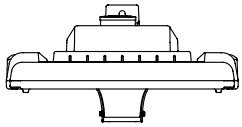
BACK VIEW



SIDE VIEW



FRONT VIEW



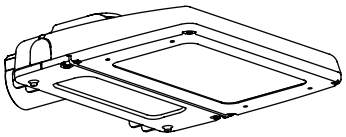
DATA

- Approximate net weight: 20 lbs (9.07 kgs)
- Effective Projected Area (EPA) with 10” Mounting Arm: 0.67 sq ft max (0.06 sq m)

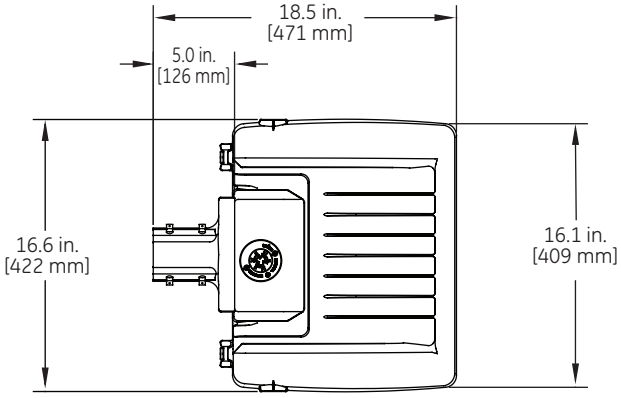
Product Dimensions

Slipfitter Arm Mount (Option C)

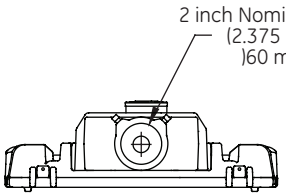
ISOMETRIC VIEW



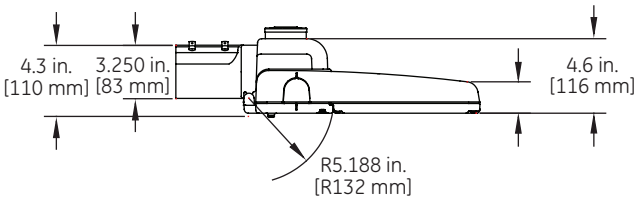
TOP VIEW



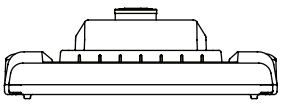
BACK VIEW



SIDE VIEW



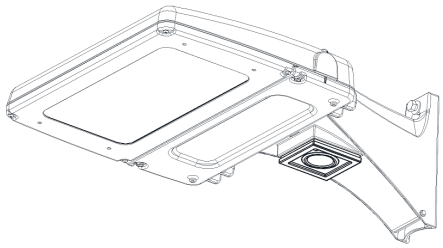
FRONT VIEW



DATA

- Approximate net weight: 19 lbs (8.61 kgs)
- Effective Projected Area (EPA) with Slipfitter: 0.43 sq ft max (0.04 sq m)

H-Motion Sensing Option:

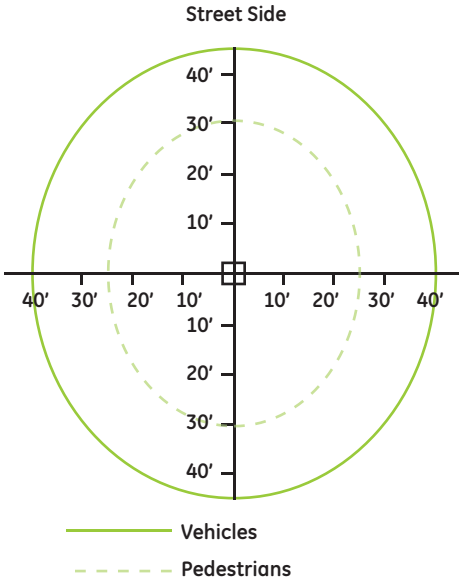


- Intended for high mounting applications, between 15-45ft (4.57-9.14m).
- Provides a coverage area radius for walking motion of 15-20ft (4.57-6.10m).
- Provides 270° of coverage (~90° is blocked by the pole).
- Comes standard with 50% dimmed light output with no occupancy, and full power at occupancy.
- Comes standard with photocell function. Note: It is not necessary to also purchase PE receptacle or control.
- Comes standard with a 5 minute occupancy time delay and a 5 minute ramp-down to the 50% dimmed level.
- Must order with decorative mounting arm options “A” or “B”.
- Fixture power increase of 1W expected with sensor use.

Note: Standard options may be reprogrammed in the field. Reprogramming instructions included in product shipment.

Sensor Pattern:

Sensing Pattern Area Fixture
15 - 45 ft.



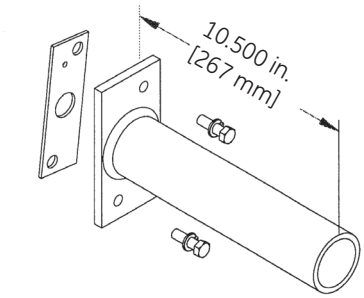
Mounting Information

Mounting Arms for Slipfitter

Order separately with Mounting Option C (External Slipfitter)

SQUARE POLE MOUNTING ARM

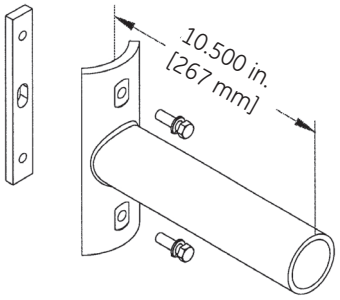
3.5 TO 4.5-inch (89 to 114mm) SQUARE
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
SPA-EAMT10BLCK "Black"
SPA-EAMT10DKBZ "Dark Bronze"

ROUND POLE MOUNTING ARM

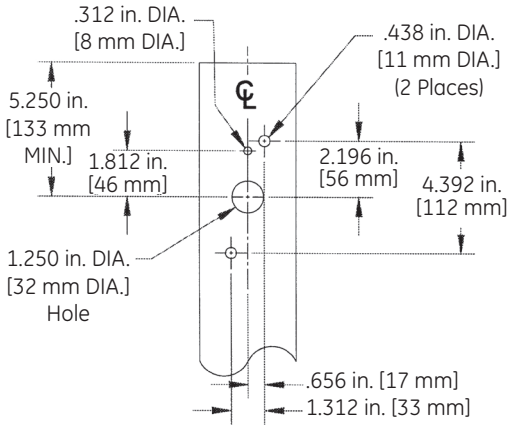
3.5 TO 4.5-inch (89 to 114mm) OD
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK "Black"
RPA-EAMT10DKBZ "Dark Bronze"

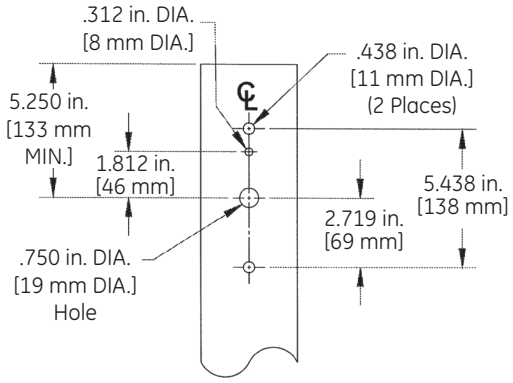
Drilling Templates for Slipfitter Arms & Arm Mount

SQUARE POLE MOUNTING



ROUND POLE MOUNTING

3.5 TO 4.5-inch (89 to 114mm) OD
round pole mounting arm



Other mounting patterns are available for retrofit installations.
Contact manufacturing for other available mounting patterns.

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